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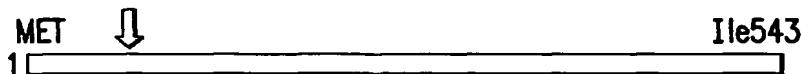
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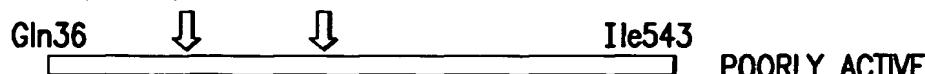
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(54) Title: SYNTHETIC HEPARANASE MOLECULES AND USES THEREOF

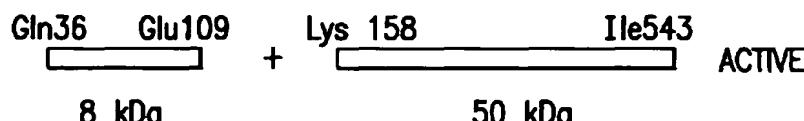
PRE-PRO-HEPARANASE



PRO-HEPARANASE (65kDa)



HEPARANASE



(57) Abstract: The present invention relates to synthetically produced, enzymatically active heparanase nucleic acid molecules that are capable of expression in high yield heterologous expression systems, and to polypeptides encoded by said molecules. Also provided herein are methods of expressing mammalian heparanase in heterologous expression systems, wherein high yields of biologically active heparanase are produced compared to prior art methods.

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